

Summer Rat Genetics and Genomics (SuRGe) Workshop 2019

August 2nd and 3rd

Skaggs School of Pharmacy and Pharmaceutical Science
University of Colorado Anschutz Medical Campus
12850 E. Montview Blvd.
Aurora, CO 80045

Friday, August 2nd – Room 1108 of the School of Pharmacy

<i>Time</i>	<i>Topic</i>	<i>Presenter</i>
8:30 am	Group introductions	
8:40 am	Introduction to quantitative genetics	Rob Williams
9:10 am	Introduction to rat genomics and rat populations	Laura Saba
9:30 am	Introduction to dry lab notebooks	Saunak Sen
10:00 am	BREAK – Coffee/pastries provided	
	<u>Identifying a genomic region</u>	
10:15 am	- RGD (literature based)	Jennifer Smith, RGD
11:15 am	- GN2 (dynamic mapping including GEMMA)	Saunak Sen
12:00 pm	LUNCH – box lunches provided in meeting room	
	<u>Interrogating a genomic region</u>	
1:00 pm	- RGD	Jennifer Smith, RGD
2:00 pm	- GeneNetwork	Rob Williams
3:00 pm	BREAK	
3:15 pm	- PhenoGen (genome browser/eQTL)	Spencer Mahaffey
4:15 pm	- GeneWeaver	TBD
5:00 pm	- Human GWAS (GWAS Atlas, FUMA)	Rob Williams
5:30 pm	Return to hotel	
6:30 pm	Group Dinner – Comida at Stanley Marketplace	

Friday Night Dinner at 6:30 pm

Comida at Stanley Marketplace

2501 Dallas Street, Suite 140

Aurora, Colorado 80010

(<3 miles)

Saturday, August 3rd - Room 1000 of the School of Pharmacy

<i>Time</i>	<i>Topic</i>	<i>Presenter</i>
	<u><i>Examining your favorite gene(s)</i></u>	
8:30 am	- RGD	Jennifer Smith, RGD
9:30 am	- PhenoGen	Laura Saba
10:30 am	BREAK – Coffee/pastries provided	
10:45 am	- GeneNetwork	Rob Williams
11:45 am	LUNCH – Cedar Creek Pub	
12:45 pm	- OPAR/Chilibot/RatsPub	Saunak Sen
1:30 pm	- Allan Brain Atlas	Rob Williams
2:00 pm	- Human Translation using FUMA	Rob Williams
2:30 pm	BREAK/PRESENTATION PREP	
4:00 pm	Participant Presentation (could do groups – 15-20 minute presentation (5-6 presentations))	
5:30 pm	Closing Reception – Ursula Brewery	
6:30 pm	Return to hotel	

Saturday Lunch at 11:45 am

Cedar Creek Pub
2100 North Ursula Street
Aurora, Colorado
(walking distance from School of Pharmacy)

Saturday Closing Reception at 5:30 pm

Ursula Brewery
2101 N Ursula St. Unit 10
Aurora CO, 80045
(walking distance from School of Pharmacy)

Students are asked to be bring:

- A laptop computer for hands-on exercises
- A gene/gene list and genomic region of interest (some examples will be made available)